CRF ● or Corrected by the STIC Syst ● Branch **PCT/09 RUSH**

Serial Number: 09/890,549

ENTERED

CRF Processing Date: 8/22/2002
Edited by: ____
Verified by: ____ (STIC staff)

- [ ] Changed a file from non-ASCII to ASCII

- [ ] Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- [ ] Edited a format error in the Current Application Data section, specifically: ____

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other ____.

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically: ____

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: ____

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: ____

- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included: ____

- [ ] Deleted extra, invalid, headings used by an applicant, specifically: ____

- [ ] Deleted: [ ] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as ____.

- [ ] Inserted mandatory headings, specifically: ____

- [ ] Corrected an obvious error in the response, specifically: ____

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically: ____

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: ____

- [✓] Other: _deleted extraneous marks from <213> portion of Seq 17_
  grouped <150> and <151> lines

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. **DO NOT** send a copy of this form. 3/1/95

PCT09

RAW SEQUENCE LISTING   DATE: 08/27/2002
PATENT APPLICATION: US/09/890,549   TIME: 16:32:07

Input Set : A:\pto.amc.txt
Output Set: N:\CRF4\08272002\I890549.raw

```
   4 <110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
   5       TANG, Y. Tom
   6       HILLMAN, Jennifer L.
   7       YUE, Henry
   8       AZIMZAI, Yalda
   9       BAUGHN, Mariah R.
  10       TRAN, Bao
  12 <120> TITLE OF INVENTION: HUMAN LIPID-ASSOCIATED PROTEINS
  14 <130> FILE REFERENCE: PF-0676 PCT
C-->  16 <140> CURRENT APPLICATION NUMBER: US/09/890,549
C-->  17 <141> CURRENT FILING DATE: 2002-08-26
  19 <150> PRIOR APPLICATION NUMBER: 60/120,703
  20 <151> PRIOR FILING DATE: 1999-02-19
  21 <150> PRIOR APPLICATION NUMBER: 60/142,762
  22 <151> PRIOR FILING DATE: 1999-07-08
  24 <160> NUMBER OF SEQ ID NOS: 24
  26 <170> SOFTWARE: PERL Program
  28 <210> SEQ ID NO: 1
  29 <211> LENGTH: 331
  30 <212> TYPE: PRT
  31 <213> ORGANISM: Homo sapiens
  33 <220> FEATURE:
  34 <221> NAME/KEY: misc_feature
  35 <223> OTHER INFORMATION: Incyte ID No: 161190CD1
  37 <400> SEQUENCE: 1
  38 Met Asp Ser Glu Lys Lys Arg Phe Thr Glu Glu Ala Thr Lys Tyr
  39   1               5                  10                  15
  40 Phe Arg Glu Arg Val Ser Pro Val His Leu Gln Ile Leu Leu Thr
  41                  20                  25                  30
  42 Asn Asn Glu Ala Trp Lys Arg Phe Val Thr Ala Ala Glu Leu Pro
  43                  35                  40                  45
  44 Arg Asp Glu Ala Asp Ala Leu Tyr Glu Ala Leu Lys Lys Leu Arg
  45                  50                  55                  60
  46 Thr Tyr Ala Ala Ile Glu Asp Glu Tyr Val Gln Gln Lys Asp Glu
  47                  65                  70                  75
  48 Gln Phe Arg Glu Trp Phe Leu Lys Glu Phe Pro Gln Val Lys Arg
  49                  80                  85                  90
  50 Lys Ile Gln Glu Ser Ile Glu Lys Leu Arg Ala Leu Ala Asn Gly
  51                  95                 100                 105
  52 Ile Glu Glu Val His Arg Gly Cys Thr Ile Ser Asn Val Val Ser
  53                 110                 115                 120
  54 Ser Ser Thr Gly Ala Ala Ser Gly Ile Met Ser Leu Ala Gly Leu
  55                 125                 130                 135
```

RAW SEQUENCE LISTING   DATE: 08/27/2002
PATENT APPLICATION: US/09/890,549   TIME: 16:32:07

Input Set : A:\pto.amc.txt
Output Set: N:\CRF4\08272002\I890549.raw

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56 Val Leu Ala Pro Phe Thr Ala Gly Thr Ser Leu Ala Leu Thr Ala
57               140                 145                 150
58 Ala Gly Val Gly Leu Gly Ala Ala Ser Ala Val Thr Gly Ile Thr
59               155                 160                 165
60 Thr Ser Ile Val Glu His Ser Tyr Thr Ser Ser Ala Glu Ala Glu
61               170                 175                 180
62 Ala Ser Arg Leu Thr Ala Thr Ser Ile Asp Arg Leu Lys Val Phe
63               185                 190                 195
64 Lys Glu Val Met Arg Asp Ile Thr Pro Asn Leu Leu Ser Leu Leu
65               200                 205                 210
66 Asn Asn Tyr Tyr Glu Ala Thr Gln Thr Ile Gly Ser Glu Ile Arg
67               215                 220                 225
68 Ala Ile Arg Gln Ala Arg Ala Arg Ala Arg Leu Pro Val Thr Thr
69               230                 235                 240
70 Trp Arg Ile Ser Ala Gly Ser Gly Gly Gln Ala Glu Arg Thr Ile
71               245                 250                 255
72 Ala Gly Thr Thr Arg Ala Val Ser Arg Gly Ala Arg Ile Leu Ser
73               260                 265                 270
74 Ala Thr Thr Ser Gly Ile Phe Leu Ala Leu Asp Val Val Asn Leu
75               275                 280                 285
76 Val Tyr Glu Ser Lys His Leu His Glu Gly Ala Lys Ser Ala Ser
77               290                 295                 300
78 Ala Glu Glu Leu Arg Arg Gln Ala Gln Glu Leu Glu Glu Asn Leu
79               305                 310                 315
80 Met Glu Leu Thr Gln Ile Tyr Gln Arg Leu Asn Pro Cys His Thr
81               320                 325                 330
82 His
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86 <211> LENGTH: 480
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
90 <220> FEATURE:
91 <221> NAME/KEY: misc_feature
92 <223> OTHER INFORMATION: Incyte ID No: 1292575CD1
94 <400> SEQUENCE: 2
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96    1               5                 10                  15
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98               20                  25                  30
99 Thr Gly Met Ile Asp Leu Asp Thr Ser Lys Asn Asn Arg Ile Gly
100              35                  40                  45
101 Lys Thr Gly Glu Arg Pro Ser Gln Glu Asn Gly Ile Gln Lys His
102              50                  55                  60
103 Arg Thr Ser Leu Pro Ala Pro Met Phe Ser Arg Ser Asp Phe Ser
104              65                  70                  75
105 Val Trp Thr Ile Leu Lys Lys Cys Val Gly Leu Glu Leu Ser Lys
106              80                  85                  90
107 Ile Thr Met Pro Ile Ala Phe Asn Glu Pro Leu Ser Phe Leu Gln
108              95                 100                 105
```

```
109 Arg Ile Thr Glu Tyr Met Glu His Val Tyr Leu Ile His Arg Ala
110               110               115               120
111 Ser Cys Gln Pro Gln Pro Leu Glu Arg Met Gln Ser Val Ala Ala
112               125               130               135
113 Phe Ala Val Ser Ala Val Ala Ser Gln Trp Glu Arg Thr Gly Lys
114               140               145               150
115 Pro Phe Asn Pro Leu Leu Gly Glu Thr Tyr Glu Leu Ile Arg Glu
116               155               160               165
117 Asp Leu Gly Phe Arg Phe Ile Ser Glu Gln Val Ser His His Pro
118               170               175               180
119 Pro Ile Ser Ala Phe His Ser Glu Gly Leu Asn His Asp Phe Leu
120               185               190               195
121 Phe His Gly Ser Ile Tyr Pro Lys Leu Lys Phe Trp Gly Lys Ser
122               200               205               210
123 Val Glu Ala Glu Pro Arg Gly Thr Ile Thr Leu Glu Leu Leu Lys
124               215               220               225
125 His Asn Glu Ala Tyr Thr Trp Thr Asn Pro Thr Cys Cys Val His
126               230               235               240
127 Asn Val Ile Ile Gly Lys Leu Trp Ile Glu Gln Tyr Gly Thr Val
128               245               250               255
129 Glu Ile Leu Asn His Arg Thr Gly His Lys Cys Val Leu His Phe
130               260               265               270
131 Lys Pro Cys Gly Leu Phe Gly Lys Glu Leu His Lys Val Glu Gly
132               275               280               285
133 His Ile Gln Asp Lys Asn Lys Lys Lys Leu Phe Met Ile Tyr Gly
134               290               295               300
135 Lys Trp Thr Glu Cys Leu Trp Gly Ile Asp Pro Val Ser Tyr Glu
136               305               310               315
137 Ser Phe Lys Lys Gln Glu Arg Arg Gly Asp His Leu Arg Lys Ala
138               320               325               330
139 Lys Leu Asp Glu Asp Ser Gly Lys Ala Asp Ser Asp Val Ala Asp
140               335               340               345
141 Asp Val Pro Val Ala Gln Glu Thr Val Gln Val Ile Pro Gly Ser
142               350               355               360
143 Lys Leu Leu Trp Arg Ile Asn Thr Arg Pro Pro Asn Ser Ala Gln
144               365               370               375
145 Met Tyr Asn Phe Thr Ser Phe Thr Val Ser Leu Asn Glu Leu Glu
146               380               385               390
147 Thr Gly Met Glu Lys Thr Leu Pro Pro Thr Asp Cys Arg Leu Arg
148               395               400               405
149 Pro Asp Ile Arg Gly Met Glu Asn Gly Asn Met Asp Leu Ala Ser
150               410               415               420
151 Gln Glu Lys Glu Arg Leu Glu Glu Lys Gln Arg Glu Ala Arg Arg
152               425               430               435
153 Glu Arg Ala Lys Glu Glu Ala Glu Trp Gln Thr Arg Trp Phe Tyr
154               440               445               450
155 Pro Gly Asn Asn Pro Tyr Thr Gly Thr Pro Asp Trp Leu Tyr Ala
156               455               460               465
157 Gly Asp Tyr Phe Glu Arg Asn Phe Ser Asp Cys Pro Asp Ile Tyr
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RAW SEQUENCE LISTING   DATE: 08/27/2002
PATENT APPLICATION: US/09/890,549   TIME: 16:32:07

Input Set : A:\pto.amc.txt
Output Set: N:\CRF4\08272002\I890549.raw

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161 <210> SEQ ID NO: 3
162 <211> LENGTH: 409
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <223> OTHER INFORMATION: Incyte ID No: 2454393CD1
170 <400> SEQUENCE: 3
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172  1               5                  10                  15
173 Val Ala Pro Trp Arg Ser Ser Leu His Pro Cys Glu Ile Thr Ala
174                20                  25                  30
175 Leu Ser Gln Ser Leu Gln Pro Leu Arg Lys Leu Pro Phe Arg Ala
176                35                  40                  45
177 Phe Arg Thr Asp Ala Arg Lys Ile His Thr Ala Pro Ala Arg Thr
178                50                  55                  60
179 Met Phe Leu Leu Arg Pro Leu Pro Ile Leu Leu Val Thr Gly Gly
180                65                  70                  75
181 Gly Tyr Ala Gly Tyr Arg Gln Tyr Glu Lys Tyr Arg Glu Arg Glu
182                80                  85                  90
183 Leu Glu Lys Leu Gly Leu Glu Ile Pro Pro Lys Leu Ala Gly His
184                95                 100                 105
185 Trp Glu Val Ala Leu Tyr Lys Ser Val Pro Thr Arg Leu Leu Ser
186               110                 115                 120
187 Arg Ala Trp Gly Arg Leu Asn Gln Val Glu Leu Pro His Trp Leu
188               125                 130                 135
189 Arg Arg Pro Val Tyr Ser Leu Tyr Ile Trp Thr Phe Gly Val Asn
190               140                 145                 150
191 Met Lys Glu Ala Ala Val Glu Asp Leu His His Tyr Arg Asn Leu
192               155                 160                 165
193 Ser Glu Phe Phe Arg Arg Lys Leu Lys Pro Gln Ala Arg Pro Val
194               170                 175                 180
195 Cys Gly Leu His Ser Val Ile Ser Pro Ser Asp Gly Arg Ile Leu
196               185                 190                 195
197 Asn Phe Gly Gln Val Lys Asn Cys Glu Val Glu Gln Val Lys Gly
198               200                 205                 210
199 Val Thr Tyr Ser Leu Glu Ser Phe Leu Gly Pro Arg Met Cys Thr
200               215                 220                 225
201 Glu Asp Leu Pro Phe Pro Pro Ala Ala Ser Cys Asp Ser Phe Lys
202               230                 235                 240
203 Asn Gln Leu Val Thr Arg Glu Gly Asn Glu Leu Tyr His Cys Val
204               245                 250                 255
205 Ile Tyr Leu Ala Pro Gly Asp Tyr His Cys Phe His Ser Pro Thr
206               260                 265                 270
207 Asp Trp Thr Val Ser His Arg Arg His Phe Pro Gly Ser Leu Met
208               275                 280                 285
209 Ser Val Asn Pro Gly Met Ala Arg Trp Ile Lys Glu Leu Phe Cys
210               290                 295                 300
```

```
211 His Asn Glu Arg Val Val Leu Thr Gly Asp Trp Lys His Gly Phe
212             305                 310                 315
213 Phe Ser Leu Thr Ala Val Gly Ala Thr Asn Val Gly Ser Ile Arg
214             320                 325                 330
215 Ile Tyr Phe Asp Arg Asp Leu His Thr Asn Ser Pro Arg His Ser
216             335                 340                 345
217 Lys Gly Ser Tyr Asn Asp Phe Ser Phe Val Thr His Thr Asn Arg
218             350                 355                 360
219 Glu Gly Val Pro Met Arg Lys Gly Glu His Leu Gly Glu Phe Asn
220             365                 370                 375
221 Leu Gly Ser Thr Ile Val Leu Ile Phe Glu Ala Pro Lys Asp Phe
222   .         380                 385                 390
223 Asn Phe Gln Leu Lys Thr Gly Gln Lys Ile Arg Phe Gly Glu Ala
224             395                 400                 405
225 Leu Gly Ser Leu
228 <210> SEQ ID NO: 4
229 <211> LENGTH: 759
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo sapiens
233 <220> FEATURE:
234 <221> NAME/KEY: misc_feature
235 <223> OTHER INFORMATION: Incyte ID No: 2766980CD1
237 <400> SEQUENCE: 4
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239   1           5                 10                  15
240 Leu Arg Val Thr Ala Lys Glu Leu Ser Leu Val Asn Lys Asn Lys
241             20                  25                  30
242 Ser Ser Ala Ile Val Glu Ile Phe Ser Lys Tyr Gln Lys Ala Ala
243             35                  40                  45
244 Glu Glu Thr Asn Met Glu Lys Lys Arg Ser Asn Thr Glu Asn Leu
245             50                  55                  60
246 Ser Gln His Phe Arg Lys Gly Thr Leu Thr Val Leu Lys Lys Lys
247             65                  70                  75
248 Trp Glu Asn Pro Gly Leu Gly Ala Glu Ser His Thr Asp Ser Leu
249             80                  85                  90
250 Arg Asn Ser Ser Thr Glu Ile Arg His Arg Ala Asp His Pro Pro
251             95                  100                 105
252 Ala Glu Val Thr Ser His Ala Ala Ser Gly Ala Lys Ala Asp Gln
253             110                 115                 120
254 Glu Glu Gln Ile His Pro Arg Ser Arg Leu Arg Ser Pro Pro Glu
255             125                 130                 135
256 Ala Leu Val Gln Gly Arg Tyr Pro His Ile Lys Asp Gly Glu Asp
257             140                 145                 150
258 Leu Lys Asp His Ser Thr Glu Ser Lys Lys Met Glu Asn Cys Leu
259             155                 160                 165
260 Gly Glu Ser Arg His Glu Val Glu Lys Ser Glu Ile Ser Glu Asn
261             170                 175                 180
262 Thr Asp Ala Ser Gly Lys Ile Glu Lys Tyr Asn Val Pro Leu Asn
263             185                 190                 195
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/27/2002
PATENT APPLICATION: US/09/890,549   TIME: 16:32:08

    Input Set : A:\pto.amc.txt
    Output Set: N:\CRF4\08272002\I890549.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:17; N Pos. 1237